

Claims

1. A hand power tool having an electric motor, which is
5 located in a housing (10) and by way of which a tool insert
(12) located in a tool retainer (16) is drivable in rotation,
and having a guard device, with which an uncontrollable
blockage of the tool insert (12) is detectable via a sensor
unit (22) and with which the housing (10) is blockable in its
10 motion, the guard device (54) including a mechanical
unlocking unit (50) that is manually actuatable by a user's
actuation force, wherein a gear is actuatable via an on/off
switch means (20) for actuating the unlocking unit (50).

15 2. The hand power tool in accordance with claim 1,
wherein the unlocking unit (50) is automatically actuated via
the on/off switch means (20) when the electric motor is
switched back on again.

20 3. The hand power tool in accordance with claim 1 or 2,
wherein the guard device (54) includes a mechanical sensor
unit (22).

25 4. The hand power tool in accordance with claim 3,
wherein the sensor unit (22) includes a restoring spring
(24).

30 5. The hand power tool in accordance with one of the
foregoing claims, wherein the guard device (54) includes an
electric sensor unit (22).

6. The hand power tool in accordance with one of the
foregoing claims, wherein the guard device (54) includes a
mechanical blocking unit (52).

7. The hand power tool in accordance with claim 6,
wherein the blocking unit (52) has a rotatably supported
detent lever (28), with a serration intended for meshing with
5 a blocking serration (26), on one end and an extension (38)
on the diametrically opposite end.

8. The hand power tool in accordance with one of the
foregoing claims, wherein the guard device (54) includes an
10 electric blocking unit (52).

9. The hand power tool in accordance with one of the
foregoing claims, wherein the unlocking unit (50) has a
switching rod (34), one end of which is connected to an
15 on/off switch means (20), and the other end of which is
operatively connected to the blocking unit (52).

10. The hand power tool in accordance with claim 9,
wherein the switching rod (34) is supported longitudinally
20 displaceably along the axis of rotation (14).

11. The hand power tool in accordance with claim 9 or
10, wherein the switching rod (34) has a switching pawl (36)
and a switching cam (40), with which a motion in the
25 longitudinal direction, tripped by an actuation of the on/off
switch means (20), is convertible into an up-and-down motion,
with a first, upper position and a second, lower position.

12. The hand power tool in accordance with one of
30 claims 9 through 11, wherein on one end having an actuating
pin (38), the switching rod (34) engages the on/off switch
means (20) and on the other end, with a connecting part, it
engages the extension (30) of the detent lever (28).

13. The hand power tool in accordance with one of the foregoing claims 9 through 12, wherein when the electric motor has been switched off and the on/off switch means (20) has been tripped, the switching rod (34) is located in the upper position.

14. The hand power tool in accordance with one of the foregoing claims 9 through 13, wherein upon actuation of the on/off switch means (20), the switching rod (34) is movable into the lower position, and the detent lever (28) is removable out of the blocking serration (26).

15. The hand power tool in accordance with one of the foregoing claims, wherein for blocking the motion of the housing (10), a flow of torque is interruptable by means of a clutch.

16. The hand power tool in accordance with one of the foregoing claims, wherein the electric motor and/or electrical components (22, 54) are capable of being switched off in the event of blockage.